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April 2, 1999

Dr. Joshua Lederberg
The Rockefeller University
1230 York Avenue,
New York, NY 10021-6399

*This just came
across my desk.
J.*

Dear Dr. Lederberg:

I would like to invite you to attend the next quarterly meeting of the Proliferation Assessment and Response workshop, sponsored by SAIC's Center for Counterproliferation Analysis. This meeting will be a half-day classified session on "Adversary Use of WMD: Defining the Challenge, Dealing with Uncertainties." Once again, it will bring together the many diverse elements of the U.S. counterproliferation community to help enhance our response to the proliferation challenge. The workshop will be held on Thursday, May 6, 1999, from 0830 to 1345 at Science Applications International Corporation (SAIC), 1710 Goodridge Drive, McLean, VA. (Tower 1, 1st Floor Conference Room).

Assumptions about how potential adversaries may threaten or employ nuclear, chemical, or biological weapons against U.S. forces, our friends and allies, or the American homeland are an essential input to our ongoing efforts to put in place a robust counterproliferation posture. Such assumptions define the requirements of deterrence of hostile countries, as well as feed directly into the design and implementation of an effective warfighting posture to deal with such uses should deterrence fail. More broadly, assumptions about the potential uses of WMD by countries with which the United States is unlikely to come into conflict, not least today India and Pakistan, still may be important in shaping our crisis management contingency planning. The workshop's purpose will be to take stock of our current thinking about adversary use, identify critical uncertainties, and stimulate thinking about military planning and operations in the face of those uncertainties.

To help us explore these issues, the workshop will begin with a panel on "what do we think and what won't we know" about adversary use. Dr. Gordon Oehler of SAIC, former Director of the Non-Proliferation Center, will lead-off with his assessment of what we have learned over the past decade in thinking about adversary use and of the intelligence challenges we face in trying to come to grips with this issue. Dr. Brad Roberts of the Institute for Defense Analyses will then provide his view of how some of the key countries could use NBC weapons, drawing on his own work as well as on analyses done throughout the community. Providing a possible counterpoint, Dr. John Reichart of the National Defense University (NDU) will then set out the insights on adversary use drawn from extensive NDU gaming.

Building on this initial discussion, the second session of the workshop will turn to the question of how to deal with uncertainties about adversary use. In particular, it may no longer be

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possible to plan against a traditional "validated threat." Not only may collection constraints limit our knowledge, but the leaders of hostile proliferators may modify – or even make – choices about NBC use "on the fly" in the midst of a crisis or conflict. Surprises are to be expected. Particular issues to be considered will include implications for scenario development, acquisition, force planning, training and doctrine, and force posture. To provoke discussion of these matters, I shall set out some initial propositions on what types of uncertainties are likely to persist, potential use surprises, and implications for planning and operations.

As in past sessions, our working lunch will include a briefing on a piece of ongoing analysis within the overall counterproliferation community. Mr. Steve Wheeler of SAIC will present a summary of some of the initial findings of an ongoing study for the U.S. Army Logistics Integration Agency of the impact of chemical weapons use on intra-theater logistics flows.

A conference agenda and a map to SAIC are enclosed. Please RSVP to Ms. Kim Adams at (703) 448-6300. **This seminar will be at the Secret level.** For that reason, please pass your clearance to Ms. Tracy Hawkins at SAIC's McLean Security Department. Ms. Hawkins may be reached at (703) 734-2228. Her fax number is (703) 448-5730. I look forward to seeing you on May 6th.

Sincerely,



Dr. Lewis A. Dunn
Director
SAIC's Center for Counterproliferation Analysis

How do we sustain a coherent flow of intelligence, assessment, policy aimed such chaos. (Lability of intentions).

